



**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

Applicant : Dirk Van Den Boom, et. al Art Unit : 1645  
Serial No. : 10/723,365 Examiner : Unknown  
Filed : November 26, 2003  
Title : FRAGMENTATION-BASED METHODS AND SYSTEMS FOR SEQUENCE VARIATION DETECTION AND DISCOVERY

Mail Stop Missing Parts  
Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

**RESPONSE TO NOTICE TO FILE MISSING PARTS**

Dear Sir:

In response to the Notice to File Missing Parts mailed **May 19, 2004**, the following documents are submitted herewith:

- 1) A copy of the Notice to File Missing Parts;
- 2) Executed Declaration for Patent Application;
- 3) Executed Verified Statement Pursuant to 37 § C.F.R. 1.821(f) regarding computer readable form of Sequence Listing;
- 4) Amendment in Response to Notice to File Missing Parts and the Raw Sequence Listing Error Report;

**CERTIFICATE OF MAILING BY FIRST CLASS MAIL**

I hereby certify under 37 CFR §1.10 that this correspondence is being deposited with the United States Postal Service as Express Mail Label No. **EV399291931US** on the date indicated below and is addressed to the Mail Stop Missing Parts, Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

July 19, 2004

Date of Deposit

~~Signature~~

Jennifer L. Sammartin

**Typed or Printed Name of Person Signing Certificate**

Applicant : Dirk Van Den Boom, et. al

Attorney's Docket No.: 17082-081001 / 24736-2073

Serial No. : 10/723,365

Filed : November 26, 2003

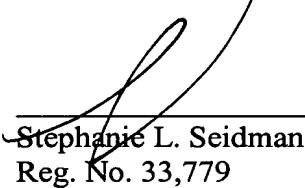
Page : 2 of 2

RESPONSE TO NOTICE TO FILE MISSING PARTS

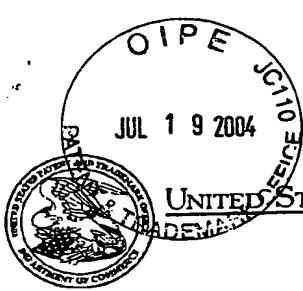
- 5) Computer Readable Form (CRF) of Sequence Listing;
- 6) Power of Attorney by Assignee and Certificate Under 37 C.F.R. § 3.73(b) along with copies of executed Assignments;
- 7) A check in the amount of \$65 for the small-entity surcharge.

(X) The Commissioner is hereby authorized to charge any fee, including any submitted herewith if the attached check(s) is in the wrong amount or otherwise improper or missing, that may be due in connection with this and the attached papers, or with this application during its entire pendency to or to credit any overpayment to Deposit Account No. 06-1050. A duplicate of this sheet is enclosed.

Respectfully submitted,

  
Stephanie L. Seidman  
Reg. No. 33,779

Stephanie L. Seidman  
Fish & Richardson P.C.  
12390 El Camino Real  
San Diego, California 92130  
Telephone: (858) 678-5070  
Facsimile: (202) 626-7796  
seidman@fr.com



07-21-04

## UNITED STATES PATENT AND TRADEMARK OFFICE

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APPLICATION NUMBER	FILING OR 371 (c) DATE	FIRST NAMED APPLICANT	ATTORNEY DOCKET NUMBER
10/723,365	11/26/2003	Van Den Boom	24736-2073

20985  
FISH & RICHARDSON  
12390 EL CAMINO REAL  
SAN DIEGO, CA 92130-2081

Docketed By Practice Systems	
Action Code: <i>MSPLS Seq 1st ns</i>	
Base Date:	<i>5/19/04</i>
Due Date:	<i>7/19/04</i>
Deadline:	<i>12/19/04</i>
Initial:	<i>man</i>

CONFIRMATION NO. 4199  
FORMALITIES LETTER  
  
\*OC000000012712557\*

Date Mailed: 05/19/2004

## NOTICE TO FILE MISSING PARTS OF NONPROVISIONAL APPLICATION

## FILED UNDER 37 CFR 1.53(b)

*Filing Date Granted*Items Required To Avoid Abandonment:

Docketed By Billing Secretary
Due Date:
Deadline:
Initials:

An application number and filing date have been accorded to this application. The item(s) indicated below, however, are missing. Applicant is given **TWO MONTHS** from the date of this Notice within which to file all required items and pay any fees required below to avoid abandonment. Extensions of time may be obtained by filing a petition accompanied by the extension fee under the provisions of 37 CFR 1.136(a).

- The oath or declaration is missing.  
*A properly signed oath or declaration in compliance with 37 CFR 1.63, identifying the application by the above Application Number and Filing Date, is required.*
- To avoid abandonment, a late filing fee or oath or declaration surcharge as set forth in 37 CFR 1.16(e) of \$65 for a small entity in compliance with 37 CFR 1.27, must be submitted with the missing items identified in this letter.
- A copy of the "Sequence Listing" in computer readable form has been submitted. However, the content of the computer readable form does not comply with the requirements of 37 CFR 1.822 and/or 1.823, as indicated on the attached copy of the marked-up "Raw Sequence Listing." Applicant must provide a substitute computer readable form (CRF) copy of the "Sequence Listing" and a statement that the content of the sequence listing information recorded in computer readable form is identical to the written (on paper or compact disc) sequence listing and, where applicable, includes no new matter, as required by 37 CFR 1.821(e), 1.821(f), 1.821(g), 1.825(b), or 1.825(d).

For questions regarding compliance to these requirements, please contact:

- For Rules Interpretation, call (703) 308-4216
- To Purchase PatentIn Software, call (703) 306-2600
- For PatentIn Software Program Help, call (703) 306-4119 or e-mail at [patin21help@uspto.gov](mailto:patin21help@uspto.gov) or [patin3help@uspto.gov](mailto:patin3help@uspto.gov)

SUMMARY OF FEES DUE:

07/22/2004 DEMMANU1 00000013 10723365

01 FC:2051

65.00 OP

Total additional fee(s) required for this application is **\$65** for a Small Entity

- **\$65** Late oath or declaration Surcharge.

Replies should be mailed to: Mail Stop Missing Parts  
Commissioner for Patents  
P.O. Box 1450  
Alexandria VA 22313-1450

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*A copy of this notice **MUST** be returned with the reply.*

*C*  
Customer Service Center  
Initial Patent Examination Division (703) 308-1202  
PART 2 - COPY TO BE RETURNED WITH RESPONSE